BRUHAT BANGALORE MAHANAGARA PALIKE

YELHANKA ZONE ELECTRICAL DIVISION

Name of work :- Detailed Estimate for Providing Released Tubular Poles along With Street lights to Gangamma circle Bus-stop to Air Force Gate in ward No11.

Budget Head .....

Division No..... Estimate No. ..... For Rs. **100000.00**

Sl.No.	SR Page & SL No	Description of Work	Qty.	Rate Rs.	Unit	Amount
1	56/7.6.2	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A.3 X 25 + 1 X 25 + 1 X 16 SQ.MM	100	177.00	Per Mtr	17700.00
2	Bes SR	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	100	10.30	Per Mtr	1030.00
3	12/2.12.1	Wiring for lighting/power circuit using one of PVC insulated 1100v grade stranded **Aluminium** unsheathed wire single core/multi core cable in open or consealed system of wiring. a)4 sqmm.	55	7.50	Each	412.50
4	46/6.13.A.1	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps25kA.	2	4044.00	Nos	8088.00
5	33/5.85	Supplying and Fixing ..... including all Hardware's etc. complete as per the standard technical specification of BESCOM. RCC Clamp	6	84.00	Each	504.00
6	6.7.3	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.63Amps	6	234.00	Each	1404.00
7	47/6.16.6	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.f)40-63Amps TPN,	2	1936.00	Each	3872.00
8	6.4.2	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.16SWG	54000	0.33	Sqcm	17820.00

9	46/6.12.4	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps	2	9915.00	Each	19830.00
10	6/2.6.7	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm	6	132.00	Per Mtr	792.00
11	17/3.10	Supplying and fixing phylum brand hand plastic sheet 3mm thick with necessary niches for fixing switches, regulators etc., and fixing on exisiting wood or metal box using N.F.screws	16000	0.22	Sqcm	3520.00
12	49/6.39.1	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	13	263.00	Per Mtr	3419.00
13	32 / 9	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and waqshers etc.. Group A, PWD Elec SR 2006-07.	2	4200.00	Nos	8400.00
14		BESCOM SR 2016-17				0.00
15	1.1.1	Digging of Pits 1.8 mtr depth for errection of 9 to 10mtr Long Steel/RCC/PSC supports as per approved Drawing.Ordinary Soil	6	378.00	Nos	2268.00
16	2.1	Erection of steel supports 9.0 to 10.00 mtr long suchas 22.68 kg (50 lbs) Rail, 27.22 kg (60 Lbs) Rail IBeam of sizes 200x100mm, 175x90 mm, 125x100mm. Fabricates poles tubular poles in pits of 1.8 mtrDepth, Aligning, Refilling with soil and ramming asapproved drawing	6	304.00	Nos	1824.00
17	1.8.2	Pole concreting with CC 1:2:4 (without coping) f) 8mtrs support (400x400x1500mm)	6	982.00	Nos	5892.00
18	17.1	Any Dismantling work 90% of the corresponding erection charges(304x90%=273.6)	3	273.60	Nos	820.80
19	27.1	Transportation using 7.5/10 Tons Lorry Rs. 23 per Kms subjected to a minimum of Rs. 1200/-per day	2	1200.00	Days	2400.00
20		Mislenious				3.70
		Total				**100000.00**

CERTIFICATE

1. The Place was inspected and work is essential.
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD (Elec) SR of 2014-15 . & BESCOM SR of 2016-17

T.N.Badri

Jr/Asst. Engineer (Elec)

Administrative Sanction for Rs. 1-00 lakh
One lakh only
is accorded under head P0298. M and R to Electrical Installations in parks and Gardens Play Grounds Burial Grounds
No EE/Ele/42/AS/30/2016-17 dt 02.03.2017

Executive Engineer

Asst. Exe.Engineer (Elec)
yelhanka zone

TECHNICAL SANCTION ACCORDED FOR Rs. 1-00 lakh
Rupees One Lakh only
Under P0298 M and R to Electrical Installations in parks and Gardens Play Grounds Burial Grounds
EE/ELE/42/TS/31/2016-17
Dated 02.03.2017

EXECUTIVE ENGINEER (ELEC)
YELHANKA ZONE
BRUHAT BANGALORE MAHANAGARA PALIKE
03.03.2017
EE/ELE/42/AS/30/2016-2017
1.00 lakh.

Executive Engineer